

(FILE 'HOME' ENTERED AT 12:30:53 ON 11 JAN 2004)

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:31:12 ON 11 JAN 2004

L1 434318 S SURFACTANT OR EMULSIFIER OR EMULSIFY? AGENT OR EMULSIFY?

COMP

L2 217356 S IODINE OR HYDROIODIC OR HYDRO IODIC OR HYDROGEN IODIDE

L3 233430 S PROPIONIC OR PROPIONATE OR BUTYRATE OR ?VALERATE

L4 796946 S AMMONIUM OR AMMONIA

L5 323878 S ACIDIFIER OR CITRIC OR LACTIC OR SORBIC OR MALIC OR FUMARIC

L6 6071 S L1 AND L2 AND L3 AND L4 AND L5

L7 2881250 S CONSIST? OF

L8 5268 S L6 AND L7

L9 11 S L1 (P) L2 (P) L3 (P) L4 (P) L5

L10 2563193 S ANIMAL OR FEED OR FOOD

L11 9 S L9 AND L10

L9 ANSWER 9 OF 11 USPATFULL on STN
ACCESSION NUMBER: 95:96800 USPATFULL
TITLE: Antimicrobial composition and methods of use
INVENTOR(S): Talwalker, Ramesh T., Lexington, KY, United States
Barve, Shirish S., Lexington, KY, United States
PATENT ASSIGNEE(S): Arda Technologies, Lexington, KY, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5462714		19951031
APPLICATION INFO.:	US 1994-210523		19940318 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-949432, filed on 22 Sep 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Warden, Robert J.		
ASSISTANT EXAMINER:	Thornton, Krisanne M.		
LEGAL REPRESENTATIVE:	King and Schickli		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	709		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A substantially noncorrosive antimicrobial composition includes by weight percent between 0.25 to 2.0% available iodine, 20.0 to 50.0% fatty acid, 15.0%-35% non-ionic surfactant, 5.0-16.0% (w/v) buffering agent and 10.0-60.0% water (v/v). The composition has a pH between 3.0 and 5.0. Methods for using the composition are also disclosed.

SUMM A particularly effective formulation of the present composition includes

by weight percent substantially 1.7% available iodine, 25.0% propionic acid, 25.0% lactic acid, 21.6% non-ionic surfactant (i.e. 15.0% polyoxyethylene sorbitan monolaurate and 6.6% octylphenol ethylene oxide) and 15.54 gm ammonium acetate. Water may be added to this composition to provide a desired strength of antimicrobial activity for any particular application.

L11 ANSWER 7 OF 9 USPATFULL on STN
ACCESSION NUMBER: 95:96800 USPATFULL
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SUMM These and other antimicrobial agents are used in one form or another in hospitals, eating and drinking establishments, dairies, food processing plants and homes among other places to kill various microorganisms including bacteria, fungi, viruses and protozoans. Particularly, these antimicrobial.

SUMM A particularly effective formulation of the present composition includes by weight percent substantially 1.7% available iodine, 25.0% propionic acid, 25.0% lactic acid, 21.6% non-ionic surfactant (i.e. 15.0% polyoxyethylene sorbitan monolaurate and 6.6% octylphenol ethylene oxide) and 15.54 gm ammonium acetate. Water may be added to this composition to provide a desired strength of antimicrobial activity for any particular application.

L9 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:964920 CAPLUS
DOCUMENT NUMBER: 124:66590
TITLE: Antimicrobial compositions containing iodine and fatty acids and surfactants
INVENTOR(S): Talwalker, Ramesh T.; Barve, Shirish S.
PATENT ASSIGNEE(S): Arda Technologies, USA
SOURCE: U.S., 8 pp. Cont.-in-part of U.S. Ser. No. 949,432.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 5462714	A	19951031	US 1994-210523	19940318	
AT 155648	E	19970815	AT 1993-922304	19930921	
PRIORITY APPLN. INFO.: US 1992-949432 A2 19920922					
AB	A substantially noncorrosive antimicrobial compn. contains between 0.25-2.0% available iodine, 20.0-50.0% fatty acid, 15.0%-35% non-ionic surfactant, 5.0-16.0% (w/v) buffering agent and 10.0-60.0% water (vol./vol.). The compn. has a pH between 3.0 and 5.0. In a stainless steel mixing vessel, 6.3 mL Bio Surf I-20 (providing 1.7% titrable iodine) was blended into a mixt. of 25.0mL propionic acid and 25.4 g of lactic acid at 25.degree. until dissolved. Next, 15.0 mL of polyoxyethylene sorbitan monolaurate, 6.6 mL of octylphenol ethylene oxide and 15.5 g of ammonium acetate was dissolved to a final vol. of 21.0 mL in water mixed together in a sep. vessel. This mixt. was then slowly added to the stabilized iodine-fatty acid mixt. by const. stirring at 25.degree. to obtain the antimicrobial compn. The antimicrobial activity of the compn. was tested against gram-neg. bacterial cultures.				
AB	A substantially noncorrosive antimicrobial compn. contains between 0.25-2.0% available iodine, 20.0-50.0% fatty acid, 15.0%-35% non-ionic surfactant, 5.0-16.0% (w/v) buffering agent and 10.0-60.0% water (vol./vol.). The compn. has a pH between 3.0 and 5.0. In a stainless steel mixing vessel, 6.3 mL Bio Surf I-20 (providing 1.7% titrable iodine) was blended into a mixt. of 25.0mL propionic acid and 25.4 g of lactic acid at 25.degree. until dissolved. Next, 15.0 mL of polyoxyethylene sorbitan monolaurate, 6.6 mL of octylphenol ethylene oxide and 15.5 g of ammonium acetate was dissolved to a final vol. of 21.0 mL in water mixed together in a sep. vessel. This mixt. was then slowly added to the stabilized iodine-fatty acid mixt. by const. stirring at 25.degree. to obtain the antimicrobial compn. The antimicrobial activity of the compn. was tested against gram-neg. bacterial cultures.				